

## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/533,416  
Source: PCT  
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PCT

## RAW SEQUENCE LISTING

DATE: 09/08/2006

PATENT APPLICATION: US/10/533,416

TIME: 13:50:07

Input Set : E:\P1995R1 Sequence Listing.txt  
 Output Set: N:\CRF4\09082006\J533416.raw

3 <110> APPLICANT: GENENTECH, INC.  
 4 FONG, SHERMAN  
 5 DENNIS, KATHRYN  
 6 CLARK, HILARY  
 7 CHIU, HENRY  
 8 SCHOENFELD, JILL  
 9 WILLIAMS, P. MICKEY  
 10 WOOD, WILLIAM I.  
 11 WU, THOMAS D.

13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF NATURAL  
 14 KILLER CELL RELATED DISEASES

16 <130> FILE REFERENCE: P1995R1

C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/533,416

C--> 19 <141> CURRENT FILING DATE: 2005-04-28

21 <150> PRIOR APPLICATION NUMBER: US 60/425,235

22 <151> PRIOR FILING DATE: 2002-11-08

24 <160> NUMBER OF SEQ ID NOS: 1477

26 <210> SEQ ID NO: 1

27 <211> LENGTH: 850

28 <212> TYPE: DNA

29 <213> ORGANISM: Homo sapien

31 <400> SEQUENCE: 1

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 34 accttggaaagc gggcgagtct cgtgctgtgt cgacccgtca gcccctggcc 100  
 36 ttccggccacc atggagtacc tcattcggtat ccaaggcccc gactatgttc 150  
 38 ttgtcgccctc cgaccgggtg gccgccagca atattgtcca gatgaaggac 200  
 40 gatcatgaca agatgttaa gatgagtgaa aagatattac tcctgtgtgt 250  
 42 tggagaggct ggagacactg tacagtttc agaatatatt cagaaaaacg 300  
 44 tgcaacttta taagatgcgaa aatggatatg aattgtctcc cacggcagca 350  
 46 gctaacttca cacggccaaa cctggctgac tgtcttcgga gtcggacccc 400  
 48 atatcatgtg aacccctcc tggctggctca tgatgagcat gaagggccag 450  
 50 cgctgtattt catggactac ctggcagcct tggccaaaggc ccctttgca 500  
 52 gcccacggct atgggtccctt cctgactctc agtatacctcg accgataacta 550  
 54 cacaccgact atctcacgtg agagggcagt ggaactcctt aggaaatgtc 600  
 56 tggaggagct ccagaaaacgc ttcatcctga atctgccaac cttcagtggt 650  
 58 cgaatcattt aaaaaaaaaatgg catccatgac ctggataaca ttcccttccc 700  
 60 caaacagggc tcctaacatc atgtcctccc tcccaacttgc cagggaaactt 750  
 62 tttttgtatg ggctccttta ttttttctta ctctttcag ggcgactctt 800  
 64 gataaatggtaaattcagaa taaagggtgac tatggatata attgaaaaaaa 850

66 <210> SEQ ID NO: 2

67 <211> LENGTH: 201

68 <212> TYPE: PRT

69 <213> ORGANISM: Homo sapien

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Input Set : E:\P1995R1 Sequence Listing.txt

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71 <400> SEQUENCE: 2  
 72 Met Glu Tyr Leu Ile Gly Ile Gln Gly Pro Asp Tyr Val Leu Val  
 73 1 5 10 15  
 75 Ala Ser Asp Arg Val Ala Ala Ser Asn Ile Val Gln Met Lys Asp  
 76 20 25 30  
 78 Asp His Asp Lys Met Phe Lys Met Ser Glu Lys Ile Leu Leu Leu  
 79 35 40 45  
 81 Cys Val Gly Glu Ala Gly Asp Thr Val Gln Phe Ala Glu Tyr Ile  
 82 50 55 60  
 84 Gln Lys Asn Val Gln Leu Tyr Lys Met Arg Asn Gly Tyr Glu Leu  
 85 65 70 75  
 87 Ser Pro Thr Ala Ala Asn Phe Thr Arg Arg Asn Leu Ala Asp  
 88 80 85 90  
 90 Cys Leu Arg Ser Arg Thr Pro Tyr His Val Asn Leu Leu Leu Ala  
 91 95 100 105  
 93 Gly Tyr Asp Glu His Glu Gly Pro Ala Leu Tyr Tyr Met Asp Tyr  
 94 110 115 120  
 96 Leu Ala Ala Leu Ala Lys Ala Pro Phe Ala Ala His Gly Tyr Gly  
 97 125 130 135  
 99 Ala Phe Leu Thr Leu Ser Ile Leu Asp Arg Tyr Tyr Thr Pro Thr  
 100 140 145 150  
 102 Ile Ser Arg Glu Arg Ala Val Glu Leu Leu Arg Lys Cys Leu Glu  
 103 155 160 165  
 105 Glu Leu Gln Lys Arg Phe Ile Leu Asn Leu Pro Thr Phe Ser Val  
 106 170 175 180  
 108 Arg Ile Ile Asp Lys Asn Gly Ile His Asp Leu Asp Asn Ile Ser  
 109 185 190 195  
 111 Phe Pro Lys Gln Gly Ser  
 112 200  
 114 <210> SEQ ID NO: 3  
 115 <211> LENGTH: 2567  
 116 <212> TYPE: DNA  
 117 <213> ORGANISM: Homo sapien  
 119 <400> SEQUENCE: 3  
 120 ctccggcgca gtgttggac tgtctggta tcggaaagca agcctacgtt 50  
 122 gctcaattt acgtataatc cttttctttt caagatgcct gaggaagtgc 100  
 124 accatggaga ggaggagggtg gagacttttgc ctttcaggc agaaattgcc 150  
 126 caactcatgt ccctcatcat caatacccttc tattccaaca aggagatttt 200  
 128 ccttcgggag ttgatctcta atgcttctga tgccctggac aagattcgct 250  
 130 atgagagcct gacagaccct tcgaagttgg acagtggtaa agagctgaaa 300  
 132 attgacatca tcccccaaccc tcaggaacgt accctgactt tggtagacac 350  
 134 aggcattggc atgaccaaag ctgatctcat aaataatttg ggaaccattt 400  
 136 ccaagtctgg tactaaagca ttcatggagg ctcttcagggc tgggcagac 450  
 138 atctccatga ttggcagtt tggtgttggc ttttattctg cctacttgg 500  
 140 ggcagagaaa gtgggtgtga tcacaaaagca caacgatgtt gaacagttt 550  
 142 cttggggatc ttctgcttgc ggttccttca ctgtgcgtgc tgaccatgg 600  
 144 gagcccattt gcaggggtac caaagtgtatc ctccatctta aagaagatca 650  
 146 gacagagttt ctagaagaga ggcgggtcaa agaagttgtt aagaagcattt 700  
 148 ctcaatccat aggctatccc atcacccctt atttggagaa ggaacgagag 750

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Input Set : E:\P1995R1 Sequence Listing.txt

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150 aaggaaattt gtgatgtatga ggcagaggaa gagaaaagggtg agaaaagaaga 800  
 152 ggaagataaa gatgtatgtaa aaaaacccaa gatcgaagat gtgggttcag 850  
 154 atgaggaggaa tgacagcggt aaggataaga agaagaaaaac taagaagatc 900  
 156 aaagagaaaat acattgtatca ggaagaacta aacaagacca agcctatttg 950  
 158 gaccagaaac cctgtatgaca tcacccaaga ggagtatgga gaattctaca 1000  
 160 agagcctcac taatgactgg gaagaccact tggcagtcaa gcactttct 1050  
 162 gtagaagggtc aqtttggaaattt cagggcattt ctattttttc ctcgtcgcc 1100  
 164 tccctttgac ctttttggaa acaagaagaa aaagaacaac atcaaactct 1150  
 166 atgtccgccc tgtgttcatc atggacagct gtgatgagtt gataccagag 1200  
 168 tatctcaattt ttatccgtgg tgtggtttgc tctgaggatc tgccccctgaa 1250  
 170 catctcccgaa gaaatgctcc agcagagacaa aatcttggaa gtcattcgca 1300  
 172 aaaacattgt taagaagtgc cttgagctct tctctgagct ggcagaagac 1350  
 174 aaggagaattt acaagaaattt ctatgaggca ttctctaaaaa atctcaagct 1400  
 176 tggaaatccac gaagactcca ctaaccggcc cgccctgtct gagctgtgc 1450  
 178 gctatcatac ctcccaagtct ggagatgaga tgacatctct gtcagagtat 1500  
 180 gtttctcgca tgaaggagac acagaagtcc atctattaca tcactggta 1550  
 182 gagcaaagag cagggtggca actcagctt tggggagcga gtgcggaaac 1600  
 184 ggggcttcga ggtggatataat atgaccggc ccattgacga gtactgtgt 1650  
 186 cagcagatc aaggaatttga tggggagac ctggtctcag ttaccaagga 1700  
 188 gggctggag ctgcctgagg atgaggagga gaagaagaag atggaagaga 1750  
 190 gcaaggccaa gtttggaaac ctctgcaagc tcatggaaaga aatcttagat 1800  
 192 aagaagggtt agaagggtac aatctccaat agacttgtt cttcacccgg 1850  
 194 ctgcattgtg accagcacct acggctggac agccaatatg gagcggatca 1900  
 196 tggaaagccca ggcacttcgg gacaactcca ccattggcttca tatgtggcc 1950  
 198 aaaaagcacc tggagatcaa ccctgaccac cccattgtgg agacgctg 2000  
 200 gcagaaggct gaggccgaca agaatgataa ggcagttaa gacctgggtt 2050  
 202 tgctgctgtt tggaaaccggcc ctgctatctt ctggcttttcc ctttgaggat 2100  
 204 ccccgacccc actccaaacctt catctatcgc atgatcaagc taggtctagg 2150  
 206 tattgtatgaa gatgtatgttgg cagcagagga acccaatgtt gcagttctg 2200  
 208 atgagatccc ccctctcgag ggcgatgagg atgcgtctcg catggaaagaa 2250  
 210 gtcgattagg tttaggatgttcc atagttggaa aacttgtgcc cttgtatagt 2300  
 212 gtcggccatgg gtcggccatgg cagcctcgag tgccccctgaa ccacctggct 2350  
 214 ccccccgtgt gtgtctatgtt tttttttcc tctccctgtcc ttgtgttggaa 2400  
 216 ggcagtaaac taagggtgtc aagccccatt ccctctctac tcttgacagc 2450  
 218 aggattggat gttgtgtattt gttgttttttctt catttttttttcatttgttc 2500  
 220 tggaaattttttttaa gtatgcaaaaa taaaagaaatat ggcgttttaa aaaaaaaaaaa 2550  
 222 aaaaaaaaaaaaaaaa aaaaaaaaaaa 2567  
 224 <210> SEQ ID NO: 4  
 225 <211> LENGTH: 724  
 226 <212> TYPE: PRT  
 227 <213> ORGANISM: Homo sapien  
 229 <400> SEQUENCE: 4  
 230 Met Pro Glu Glu Val His His Gly Glu Glu Glu Val Glu Thr Phe  
 231 1 5 10 15  
 233 Ala Phe Gln Ala Glu Ile Ala Gln Leu Met Ser Leu Ile Ile Asn  
 234 20 25 30  
 236 Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu Arg Glu Leu Ile Ser  
 237 35 40 45  
 239 Asn Ala Ser Asp Ala Leu Asp Lys Ile Arg Tyr Glu Ser Leu Thr

**RAW SEQUENCE LISTING**  
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**Input Set : E:\P1995R1 Sequence Listing.txt**  
**Output Set: N:\CRF4\09082006\J533416.raw**

240	50	55	60
242	Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu Lys Ile Asp Ile		
243	65	70	75
245	Ile Pro Asn Pro Gln Glu Arg Thr Leu Thr Leu Val Asp Thr Gly		
246	80	85	90
248	Ile Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr Ile		
249	95	100	105
251	Ala Lys Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly		
252	110	115	120
254	Ala Asp Ile Ser Met Ile Gly Gln Phe Gly Val Gly Phe Tyr Ser		
255	125	130	135
257	Ala Tyr Leu Val Ala Glu Lys Val Val Val Ile Thr Lys His Asn		
258	140	145	150
260	Asp Asp Glu Gln Tyr Ala Trp Glu Ser Ser Ala Gly Gly Ser Phe		
261	155	160	165
263	Thr Val Arg Ala Asp His Gly Glu Pro Ile Gly Arg Gly Thr Lys		
264	170	175	180
266	Val Ile Leu His Leu Lys Glu Asp Gln Thr Glu Tyr Leu Glu Glu		
267	185	190	195
269	Arg Arg Val Lys Glu Val Val Lys Lys His Ser Gln Phe Ile Gly		
270	200	205	210
272	Tyr Pro Ile Thr Leu Tyr Leu Glu Lys Glu Arg Glu Lys Glu Ile		
273	215	220	225
275	Ser Asp Asp Glu Ala Glu Glu Glu Lys Gly Glu Lys Glu Glu		
276	230	235	240
278	Asp Lys Asp Asp Glu Glu Lys Pro Lys Ile Glu Asp Val Gly Ser		
279	245	250	255
281	Asp Glu Glu Asp Asp Ser Gly Lys Asp Lys Lys Lys Thr Lys		
282	260	265	270
284	Lys Ile Lys Glu Lys Tyr Ile Asp Gln Glu Glu Leu Asn Lys Thr		
285	275	280	285
287	Lys Pro Ile Trp Thr Arg Asn Pro Asp Asp Ile Thr Gln Glu Glu		
288	290	295	300
290	Tyr Gly Glu Phe Tyr Lys Ser Leu Thr Asn Asp Trp Glu Asp His		
291	305	310	315
293	Leu Ala Val Lys His Phe Ser Val Glu Gly Gln Leu Glu Phe Arg		
294	320	325	330
296	Ala Leu Leu Phe Ile Pro Arg Arg Ala Pro Phe Asp Leu Phe Glu		
297	335	340	345
299	Asn Lys Lys Lys Lys Asn Asn Ile Lys Leu Tyr Val Arg Arg Val		
300	350	355	360
302	Phe Ile Met Asp Ser Cys Asp Glu Leu Ile Pro Glu Tyr Leu Asn		
303	365	370	375
305	Phe Ile Arg Gly Val Val Asp Ser Glu Asp Leu Pro Leu Asn Ile		
306	380	385	390
308	Ser Arg Glu Met Leu Gln Gln Ser Lys Ile Leu Lys Val Ile Arg		
309	395	400	405
311	Lys Asn Ile Val Lys Lys Cys Leu Glu Leu Phe Ser Glu Leu Ala		
312	410	415	420

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314 Glu Asp Lys Glu Asn Tyr Lys Lys Phe Tyr Glu Ala Phe Ser Lys  
 315 425 430 435  
 317 Asn Leu Lys Leu Gly Ile His Glu Asp Ser Thr Asn Arg Arg Arg  
 318 440 445 450  
 320 Leu Ser Glu Leu Leu Arg Tyr His Thr Ser Gln Ser Gly Asp Glu  
 321 455 460 465  
 323 Met Thr Ser Leu Ser Glu Tyr Val Ser Arg Met Lys Glu Thr Gln  
 324 470 475 480  
 326 Lys Ser Ile Tyr Tyr Ile Thr Gly Glu Ser Lys Glu Gln Val Ala  
 327 485 490 495  
 329 Asn Ser Ala Phe Val Glu Arg Val Arg Lys Arg Gly Phe Glu Val  
 330 500 505 510  
 332 Val Tyr Met Thr Glu Pro Ile Asp Glu Tyr Cys Val Gln Gln Leu  
 333 515 520 525  
 335 Lys Glu Phe Asp Gly Lys Ser Leu Val Ser Val Thr Lys Glu Gly  
 336 530 535 540  
 338 Leu Glu Leu Pro Glu Asp Glu Glu Lys Lys Lys Met Glu Glu  
 339 545 550 555  
 341 Ser Lys Ala Lys Phe Glu Asn Leu Cys Lys Leu Met Lys Glu Ile  
 342 560 565 570  
 344 Leu Asp Lys Lys Val Glu Lys Val Thr Ile Ser Asn Arg Leu Val  
 345 575 580 585  
 347 Ser Ser Pro Cys Cys Ile Val Thr Ser Thr Tyr Gly Trp Thr Ala  
 348 590 595 600  
 350 Asn Met Glu Arg Ile Met Lys Ala Gln Ala Leu Arg Asp Asn Ser  
 351 605 610 615  
 353 Thr Met Gly Tyr Met Met Ala Lys Lys His Leu Glu Ile Asn Pro  
 354 620 625 630  
 356 Asp His Pro Ile Val Glu Thr Leu Arg Gln Lys Ala Glu Ala Asp  
 357 635 640 645  
 359 Lys Asn Asp Lys Ala Val Lys Asp Leu Val Val Leu Leu Phe Glu  
 360 650 655 660  
 362 Thr Ala Leu Leu Ser Ser Gly Phe Ser Leu Glu Asp Pro Gln Thr  
 363 665 670 675  
 365 His Ser Asn Arg Ile Tyr Arg Met Ile Lys Leu Gly Leu Gly Ile  
 366 680 685 690  
 368 Asp Glu Asp Glu Val Ala Ala Glu Glu Pro Asn Ala Ala Val Pro  
 369 695 700 705  
 371 Asp Glu Ile Pro Pro Leu Glu Gly Asp Glu Asp Ala Ser Arg Met  
 372 710 715 720  
 374 Glu Glu Val Asp  
 377 <210> SEQ ID NO: 5  
 378 <211> LENGTH: 2657  
 379 <212> TYPE: DNA  
 380 <213> ORGANISM: Homo sapien  
 382 <400> SEQUENCE: 5  
 383 gaattccggg ccatgagctg ccccgtgccc gcctgctgctcg cgctgctgct 50  
 385 agtcctgggg ctctgccggg cgcgtccccg gaacgcactg ctgctcctcg 100  
 387 cggatgacgg aggctttag agtggcgctg acaacaacag cgccatcgcc 150

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 09/08/2006  
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Input Set : E:\P1995R1 Sequence Listing.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:70; N Pos. 1205  
 Seq#:101; N Pos. 23,27,80,120  
 Seq#:112; N Pos. 95,99,108  
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 Seq#:116; N Pos. 548,549,550,551,552,553  
 Seq#:117; Xaa Pos. 61,63,64,65,66,67,68,69,70,71,72,73,74  
 Seq#:396; N Pos. 2588,2589,2590,2591,2592,2593,2594,2595,2596,2597,2598  
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 Seq#:444; N Pos. 3509,3510,3511,3512,3513,3514,3515,3516,3517,3518,3519  
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**RAW SEQUENCE LISTING ERROR SUMMARY** DATE: 09/08/2006  
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**Input Set : E:\P1995R1 Sequence Listing.txt**  
**Output Set: N:\CRF4\09082006\J533416.raw**

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 Seq#:444; N Pos. 5570,5571,5572,5573,5574,5575,5576,5577,5578,5579,5580  
 Seq#:444; N Pos. 5581,5582,5583,5584,5585,5586,5587,5588,5589,5590,5591  
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 Seq#:608; N Pos. 244,245,246,247,248,249,250,251,252,253,254,255,256,257  
 Seq#:608; N Pos. 258,259,260,261,262,263,264,265,266,267,268,269,270,271  
 Seq#:608; N Pos. 272,273,274,275,276,277,278,279,280,281,282,283,284,285  
 Seq#:608; N Pos. 286,287,288,289,290,291,292,293,294,295,296,297,298,299  
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 Seq#:608; N Pos. 1800,1801,1802,1803,1804,1805,1806,1807,1808,1809,1810  
 Seq#:608; N Pos. 1811,1812,1813,1814,1815,1816,1817,1818,1819,1820  
 Seq#:609; Xaa Pos. 77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95  
 Seq#:609; Xaa Pos. 96,97,98,99,100,101,102,103,104,105,106  
 Seq#:617; N Pos. 729,730,731  
 Seq#:642; N Pos. 2530  
 Seq#:682; N Pos. 3036  
 Seq#:712; N Pos. 2770  
 Seq#:780; N Pos. 2104,2105,2106,2107,2108,2109,2110,2111,2112,2113,2114  
 Seq#:780; N Pos. 2115,2116,2117,2118,2119,2120,2121,2122,2123,2124  
 Seq#:807; N Pos. 648,649,650,651,652,653,654,655,656,657,658,659,660,661  
 Seq#:807; N Pos. 662,663,664,665,666,667,668,669,670,671,672,673,674,675

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Seq#:834; N Pos. 698,717,731  
Seq#:835; Xaa Pos. 10  
Seq#:842; N Pos. 34  
Seq#:868; N Pos. 421  
Seq#:874; N Pos. 2120,2121,2122,2123,2124,2125,2126,2127,2128,2129,2130  
Seq#:874; N Pos. 2131,2132,2133,2134,2135,2136,2137,2138,2139  
Seq#:901; N Pos. 3623,3624,3625,3626,3627,3628,3629,3630,3631,3632,3633  
Seq#:901; N Pos. 3634,3635,3636,3637,3638,3639,3640,3641,3642,3643,3644  
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Seq#:931; N Pos. 1734,1735,1736,1737,1738,1739,1740,1741,1742,1743,1744  
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Seq#:931; N Pos. 1888,1889,1890,1891,1892,1893,1894  
Seq#:955; N Pos. 1536  
Seq#:979; N Pos. 47,49  
Seq#:1011; N Pos. 886  
Seq#:1061; N Pos. 3939  
Seq#:1071; N Pos. 2530  
Seq#:1073; N Pos. 360  
Seq#:1074; Xaa Pos. 57  
Seq#:1114; N Pos. 2,14  
Seq#:1148; N Pos. 7,11,12,26,28,567,583,586,587,588,589,591,593,594,597,599  
Seq#:1148; N Pos. 601,602,605,609,617,619,630,634,638,640,641,646,647,648  
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Seq#:1275; N Pos. 5027,5028,5029,5030  
Seq#:1287; N Pos. 571,572,573,574,575,576,577,578,579,580,581,582,583,584

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Seq#:1322; N Pos. 4057  
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Seq#:1325; N Pos. 1263,1264  
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Seq#:1327; N Pos. 1504,1505,1506,1507,1508,1509,1510,1511,1512,1513,1514  
Seq#:1327; N Pos. 1515  
Seq#:1334; N Pos. 1675,1676,1677,1678,1679,1680,1681,1682,1683,1684,1685  
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Seq#:1334; N Pos. 1708,1709,1710,1711,1712,1713,1714,1715,1716,1717,1718  
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Seq#:1357; N Pos. 2508,2509,2510,2511,2512,2513,2514,2515,2516,2517,2518  
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Seq#:1377; N Pos. 1907,1908,1909,1910,1911,1912,1913,1914,1915,1916,1917  
Seq#:1377; N Pos. 1918,1919,1920,1921,1922,1923,1924,1925,1926,1927,1928  
Seq#:1377; N Pos. 1929,1930,1931,1932,1933,1934,1935,1936,1937,1938,1939  
Seq#:1377; N Pos. 1940,1941,1942,1943,1944,1945,1946,1947,1948,1949,1950  
Seq#:1377; N Pos. 1951,1952  
Seq#:1379; N Pos. 2223,2224,2225,2226,2227,2228,2229,2230,2231,2232,2233

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Seq#:1381; N Pos. 2189,2190,2191,2192,2193,2194,2195,2196,2197,2198,2199  
Seq#:1381; N Pos. 2200,2201,2202,2203,2204,2205,2206,2207,2208,2209,2210  
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Seq#:1381; N Pos. 2222,2223,2224,2225,2226,2227,2228,2229,2230,2231,2232  
Seq#:1381; N Pos. 2233,2234,2235,2236,2237,2238,2239,2240,2241,2242,2243  
Seq#:1381; N Pos. 2244,2245,2246,2247,2248  
Seq#:1393; N Pos. 89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105  
Seq#:1393; N Pos. 106,107,108,109,110,111,112,517,518,519,520,521,522,523  
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Seq#:1393; N Pos. 538,539,540,541,2887,2888,2889,2890,2891,2892,2893,2894  
Seq#:1393; N Pos. 2895,2896,2897,2898,2899,2900,2901,2902,2903,2904,2905  
Seq#:1393; N Pos. 2906,2907,2908,2909,2910,2911,2912,2913,2914,2915,4943  
Seq#:1393; N Pos. 4944,4945,4946,4947,4948,4949,4950,4951,4952,4953,4954  
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Seq#:1393; N Pos. 4966,4967,4968,4969,4970,4971  
Seq#:1394; Xaa Pos. 30,31,32,33,34,35,36,37  
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Seq#:1420; N Pos. 160,161,162,163,164,165,166,167,168  
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Seq#:1431; N Pos. 2439,2440,2441,2442,2443,2444,2445,2446,2447,2448,2449  
Seq#:1431; N Pos. 2450,2451,2452,2453,2454,2455,2456,2457,2458,2459,2460  
Seq#:1431; N Pos. 2461,2462,2463,2464,2465,2466,2467,2468,2469,2470,2471  
Seq#:1431; N Pos. 2472,2473,2474,2475,2476,2477,2478,2479,2480,2481,2482  
Seq#:1431; N Pos. 2483,2484,2485,2486,2487,2488,2489,2490,2491,2492,2493  
Seq#:1431; N Pos. 2494,2495,2496,2497,2498,2499,2500,2501,2502,2503,2504  
Seq#:1431; N Pos. 2505,2506,2507,2508,2509,2510,2511,2512,2513,2514,2515  
Seq#:1431; N Pos. 2516,2517,2518,2519,2520,2521,2522,2523,2524,2525,2526  
Seq#:1431; N Pos. 2527,2528,2529,2530  
Seq#:1435; N Pos. 723,724,725,726,727,728,729,730,731,732,733,734,735,736  
Seq#:1435; N Pos. 737,738,739,740,741,742,743,744,745,746,747,748,749,750  
Seq#:1435; N Pos. 751,752,753,754,755,756,757,758,759,760,761,762,763,764  
Seq#:1435; N Pos. 765,766,767,768,769,770,771,772,773,774,775,776,777,778  
Seq#:1435; N Pos. 779,780,781,782,783,784,785,786,787,788,789,790,791,792  
Seq#:1435; N Pos. 793,794,795,796,797,798,799,800,801,802,803,804,805,806  
Seq#:1435; N Pos. 807,808,809,810,811,812,813,814,815,816,817,818,819,820  
Seq#:1435; N Pos. 821,822,823,824,825,826,827,828,829,830,831,832,833,834  
Seq#:1435; N Pos. 835,836,837,838,839,840,841,842,843,844,845,846,847,848  
Seq#:1435; N Pos. 849,850,851,852,853,854,855,856,857,858,859,860,861,862  
Seq#:1443; N Pos. 953,954,955,956,957,958,959,960,961,962,963,964,965,966  
Seq#:1443; N Pos. 967,968,969,970,971,972,973,974,975,976,977,978,979,980  
Seq#:1443; N Pos. 981,982,983,984,985,986,987,988,989,990,991,992,993,994

**RAW SEQUENCE LISTING ERROR SUMMARY** DATE: 09/08/2006  
**PATENT APPLICATION:** US/10/533,416 **TIME:** 13:50:08

**Input Set : E:\P1995R1 Sequence Listing.txt**  
**Output Set: N:\CRF4\09082006\J533416.raw**

Seq#:1445; N Pos. 473,474,475,476,477,478,479,480,481,482,483,484,485,486  
 Seq#:1445; N Pos. 487,488,489,490,491,492,493,494,495,496,497,498,499,500  
 Seq#:1445; N Pos. 501,502,503,504,505,506,507,768,769,770,771,772,773,774  
 Seq#:1445; N Pos. 775,776,777,778,779,780,781,782,783,784,785,786,787,788  
 Seq#:1445; N Pos. 789,790,791,792,793,794,795,796,797,798,799,800,801,802  
 Seq#:1445; N Pos. 803,804,805,806,807,808,809,810,811,812,813,814,815,816  
 Seq#:1445; N Pos. 817,818,819,820,821,822,823,824,825,826,827,828,829,830  
 Seq#:1445; N Pos. 831,832,833,834,835,836,837,838,839,840,841,842,843,844  
 Seq#:1445; N Pos. 845,846,847,848,849,850,851,852,853,854,855,856,857,858  
 Seq#:1445; N Pos. 859,860,861,862,863,864,865,866,867,868,869,870,871,872  
 Seq#:1445; N Pos. 873,874,875,876,877,878,879,880,881,882,883,884,885,886  
 Seq#:1445; N Pos. 887,888,889,890,891,892,893,894,895,896,897,898,899,900  
 Seq#:1445; N Pos. 901,902,903,904,905,906,907,908,909,910,911,912,913,914  
 Seq#:1445; N Pos. 915,916,917,918,919,920,921,922,923,924,925,926,927,928  
 Seq#:1445; N Pos. 929,930,931,932,933,934,935,936,937,938,939,940,941,942  
 Seq#:1445; N Pos. 943,944,945,946,947,948,949,950,951,952,953,954,955,956  
 Seq#:1445; N Pos. 957,958,959,960,961,962,963,964,965,966,967,968,969,970  
 Seq#:1445; N Pos. 971,972,973,974,975,976,977,978,979,980,981,982,983,984  
 Seq#:1445; N Pos. 985,986,987,988,989,990,991,992,993,994,995,996,997,998  
 Seq#:1445; N Pos. 999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009  
 Seq#:1445; N Pos. 1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020  
 Seq#:1445; N Pos. 1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031  
 Seq#:1445; N Pos. 1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042  
 Seq#:1445; N Pos. 1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053  
 Seq#:1445; N Pos. 1054,1055,1056,1057,1058,1059,1060,1061,1062,2175,2176  
 Seq#:1445; N Pos. 2177,2178,2179,2180,2181,2182,2183,2184,2185,2186,2187  
 Seq#:1445; N Pos. 2188,2189,2190,2191,2192,2193,2194,2195,2196,2197,2198  
 Seq#:1445; N Pos. 2199,2200,2201,2202,2203,2204,2205,2206,2207,2208,2209  
 Seq#:1445; N Pos. 2210,2211,2212,2213,2214,2215,2216,2217,2218,2219,2220  
 Seq#:1445; N Pos. 2221,2222,2223,2224,2225,2226,2227,2228,2229,2230,2231  
 Seq#:1445; N Pos. 2232,2233,2234,2235,2236,2237,2238,2239,2240,2241,2242  
 Seq#:1445; N Pos. 2243,2244,2245,2246,2247,2248,2249,2250,2251,2252,2253  
 Seq#:1445; N Pos. 2254,2255,2256,2257,2258,2259,2260,2261,2262,2263,2264  
 Seq#:1445; N Pos. 2265,2266,2267,2268,2269,2270,2271,2272,2273,2274,2275  
 Seq#:1445; N Pos. 2276,2277,2278,2279,2280,2281,2282,2283,2284,2285,2286  
 Seq#:1446; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29  
 Seq#:1446; Xaa Pos. 30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47  
 Seq#:1446; Xaa Pos. 48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65  
 Seq#:1446; Xaa Pos. 66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83  
 Seq#:1446; Xaa Pos. 84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101  
 Seq#:1446; Xaa Pos. 102,103,104,105,106,107,108,109,110  
 Seq#:1451; N Pos. 28  
 Seq#:1454; N Pos. 61  
 Seq#:1464; N Pos. 21,925,926,927,928,929,930,931,932,933,934,935,936,937  
 Seq#:1464; N Pos. 938,939,940,941,942,943,944,945,946  
 Seq#:1465; Xaa Pos. 7  
 Seq#:1468; N Pos. 391,392,393,394,395,396,397,398,399,400,401,402,403,404  
 Seq#:1468; N Pos. 405,406,407,781,782,783,784,785,786,787,788,789,790,791  
 Seq#:1468; N Pos. 792,793,794,795,796,797,798,799,800,801,802,803,804

**VERIFICATION SUMMARY** DATE: 09/08/2006  
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**Input Set : E:\P1995R1 Sequence Listing.txt**  
**Output Set: N:\CRF4\09082006\J533416.raw**

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:7984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:1200  
L:11016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0  
L:11018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:50  
L:11020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:100  
L:12264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:50  
L:12266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:100  
L:12850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:500  
L:12852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:550  
L:12981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:60  
L:44961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:2550  
L:44963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:2600  
L:49352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3500  
L:49354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3550  
L:49356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3600  
L:49358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3650  
L:49360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3700  
L:49362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3750  
L:49364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:3800  
L:49422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5250  
L:49424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5300  
L:49426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5350  
L:49428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5400  
L:49430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5450  
L:49432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5500  
L:49434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444 after pos.:5550  
L:66259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:200  
L:66261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:250  
L:66263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:300  
L:66319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:1700  
L:66321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:1750  
L:66323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:1800  
L:66512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:609 after pos.:75  
L:66515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:609 after pos.:90  
L:66518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:609 after pos.:105  
L:67099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:617 after pos.:700  
L:70593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:642 after pos.:2500  
L:74511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:682 after pos.:3000  
L:77178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:712 after pos.:2750  
L:85407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:780 after pos.:2100  
L:88325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:807 after pos.:600  
L:88327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:807 after pos.:650  
L:90218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:827 after pos.:6950  
L:91145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:834 after pos.:650  
L:91147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:834 after pos.:700  
L:91162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:835 after pos.:0  
L:91892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:842 after pos.:0

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L:95828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:868 after pos.:400  
 L:96414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:874 after pos.:2100  
 L:98645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:901 after pos.:3600  
 L:101099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:931 after pos.:1700  
 L:101101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:931 after pos.:1750  
 L:101103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:931 after pos.:1800  
 L:101105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:931 after pos.:1850  
 L:103902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:955 after pos.:1500  
 L:105579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:979 after pos.:0  
 L:108340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1011 after pos.:850  
 L:112511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1061 after pos.:3900  
 L:113392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1071 after pos.:2500  
 L:113546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1073 after pos.:350  
 L:113656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1074 after pos.:45  
 L:117322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1114 after pos.:0  
 L:120456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:0  
 L:120478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:550  
 L:120480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:600  
 L:120482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:650  
 L:120484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:700  
 L:120486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:750  
 L:132072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1274 after pos.:550  
 L:132234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1275 after pos.:3500  
 L:132236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1275 after pos.:3550  
 L:132294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1275 after pos.:5000  
 L:133454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1287 after pos.:550  
 L:133456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1287 after pos.:600  
 L:134443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1295 after pos.:3000  
 L:134844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1301 after pos.:350  
 L:134846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1301 after pos.:400  
 L:134850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1301 after pos.:500  
 L:134852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1301 after pos.:550  
 L:134854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1301 after pos.:600  
 L:135569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1309 after pos.:1400  
 L:136607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1320 after pos.:3300  
 L:136609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1320 after pos.:3350  
 L:136611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1320 after pos.:3400  
 L:136613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1320 after pos.:3450  
 L:136615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1320 after pos.:3500  
 L:136868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1322 after pos.:4050  
 L:137156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1325 after pos.:300  
 L:137158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1325 after pos.:350  
 L:137192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1325 after pos.:1200  
 L:137194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1325 after pos.:1250  
 L:137407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1327 after pos.:1400  
 L:137409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1327 after pos.:1450  
 L:137411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1327 after pos.:1500  
 L:138184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1334 after pos.:1650  
 L:138186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1334 after pos.:1700

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L:139803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2450  
 L:139805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2500  
 L:139807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2550  
 L:139809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2600  
 L:139811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2650  
 L:139813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2700  
 L:139815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1357 after pos.:2750  
 L:141268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:1150  
 L:141294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:1800  
 L:141296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:1850  
 L:141298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:1900  
 L:141300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:1950  
 L:141498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1379 after pos.:2200  
 L:141500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1379 after pos.:2250  
 L:141627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1381 after pos.:1600  
 L:141649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1381 after pos.:2150  
 L:141651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1381 after pos.:2200  
 L:142397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:50  
 L:142399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:100  
 L:142415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:500  
 L:142509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:2850  
 L:142511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:2900  
 L:142591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:4900  
 L:142593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:4950  
 L:142682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1394 after pos.:15  
 L:142685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1394 after pos.:30  
 L:144306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1420 after pos.:100  
 L:144308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1420 after pos.:150  
 L:145055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1431 after pos.:2350  
 L:145057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1431 after pos.:2400  
 L:145059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1431 after pos.:2450  
 L:145061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1431 after pos.:2500  
 L:145262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1435 after pos.:700  
 L:145264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1435 after pos.:750  
 L:145266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1435 after pos.:800  
 L:145268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1435 after pos.:850  
 L:146022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1443 after pos.:950  
 L:146091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:450  
 L:146093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:500  
 L:146103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:750  
 L:146105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:800  
 L:146107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:850  
 L:146109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:900  
 L:146111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:950  
 L:146113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:1000  
 L:146115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:1050  
 L:146159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:2150  
 L:146161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:2200  
 L:146163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1445 after pos.:2250

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/533,416

DATE: 09/08/2006

TIME: 13:50:08

Input Set : E:\P1995R1 Sequence Listing.txt

Output Set: N:\CRF4\09082006\J533416.raw

L:146672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:0  
L:146675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:15  
L:146678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:30  
L:146681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:45  
L:146684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:60  
L:146687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:75  
L:146690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:90  
L:146693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1446 after pos.:105  
L:146855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1451 after pos.:0  
L:147004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1454 after pos.:50  
L:147531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1464 after pos.:0  
L:147567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1464 after pos.:900  
L:147600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1465 after pos.:0  
L:147687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1468 after pos.:350  
L:147689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1468 after pos.:400  
L:147703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1468 after pos.:750  
L:147705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1468 after pos.:800

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